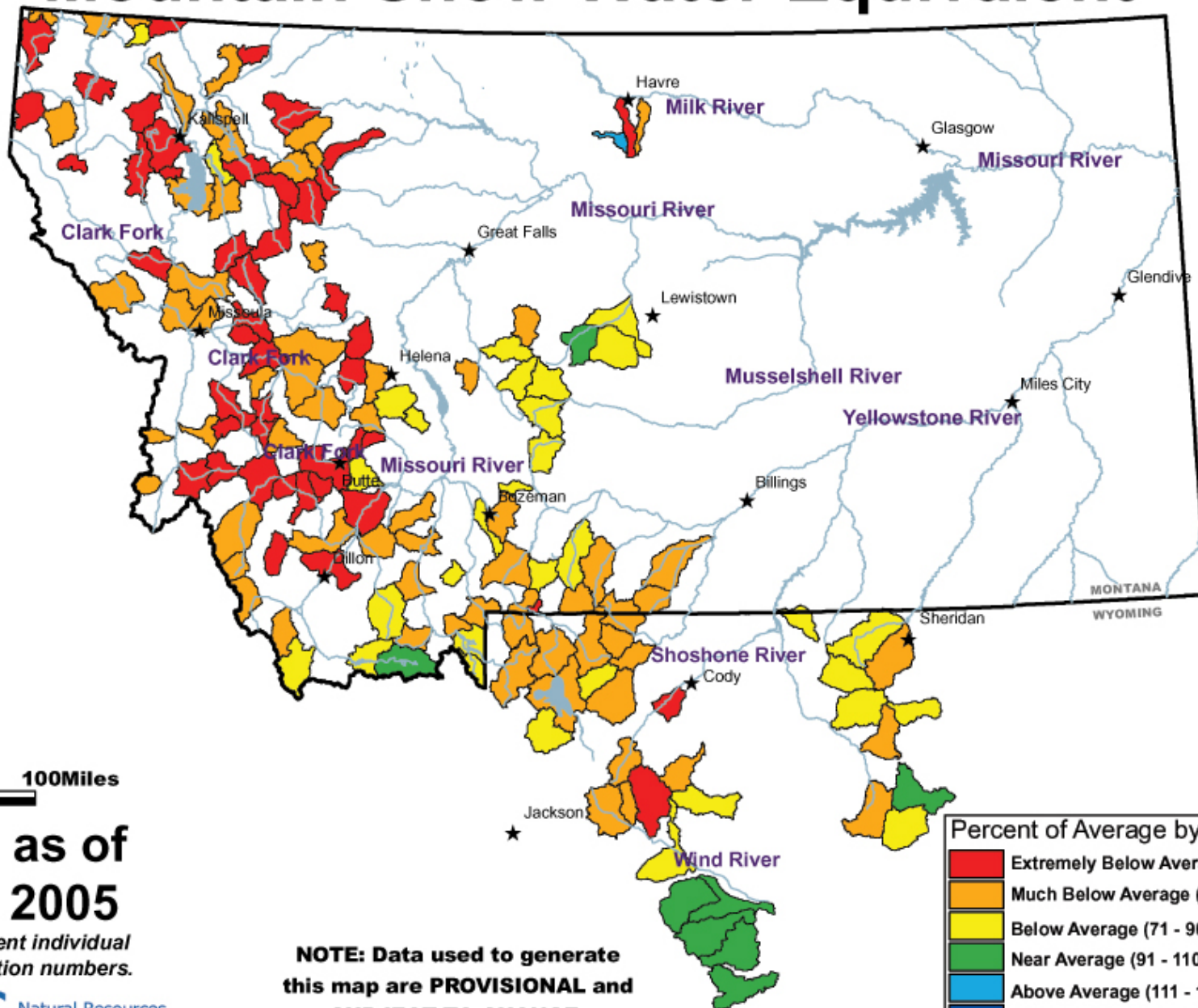


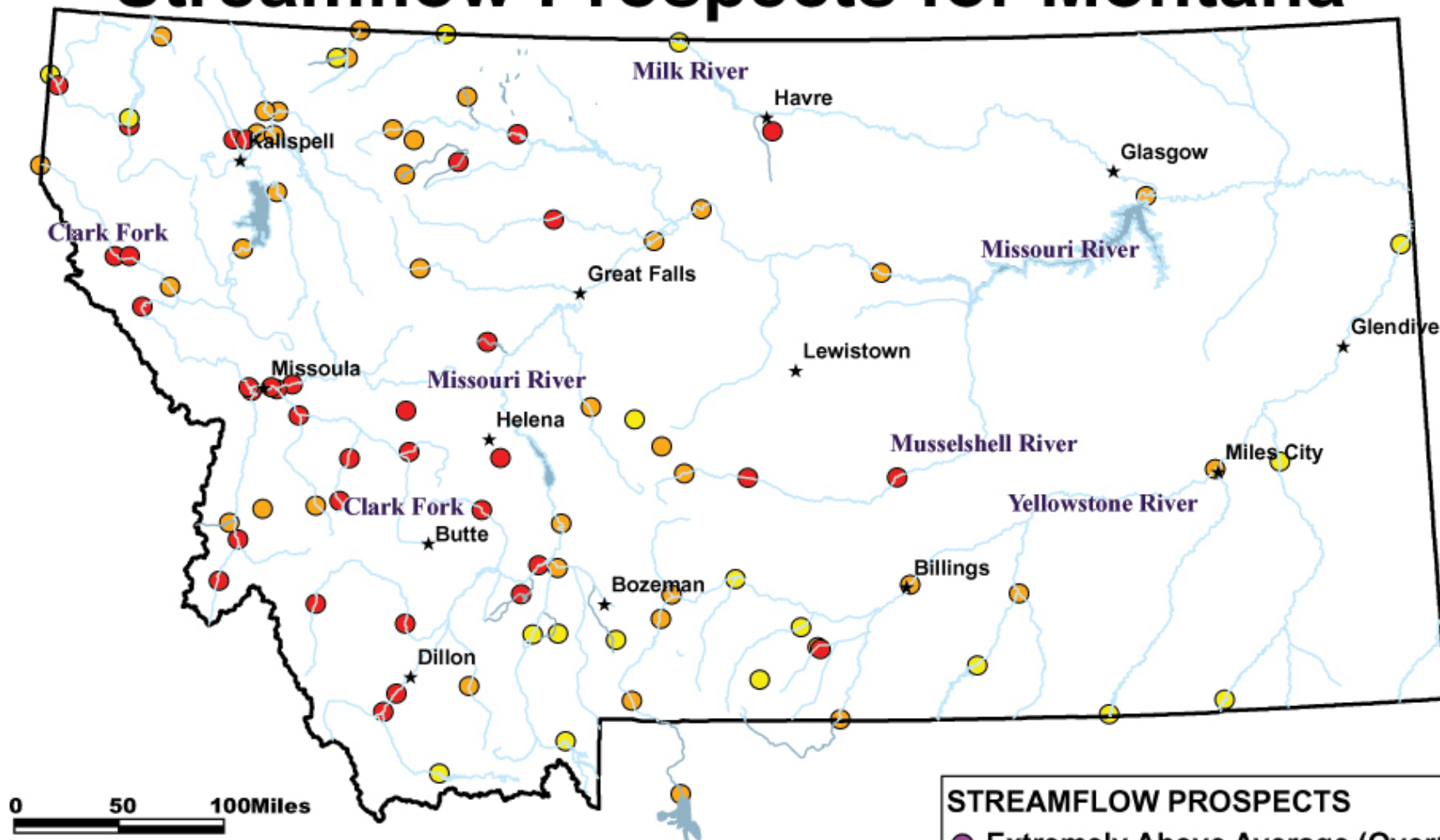
MONTANA SNOW SURVEY AND WATER SUPPLY FORECASTS

Prepared for Montana Governor's Drought Committee April 21, 2005

Mountain Snow Water Equivalent










Streamflow Prospects for Montana



Current as of
April 1, 2005

STREAMFLOW PROSPECTS

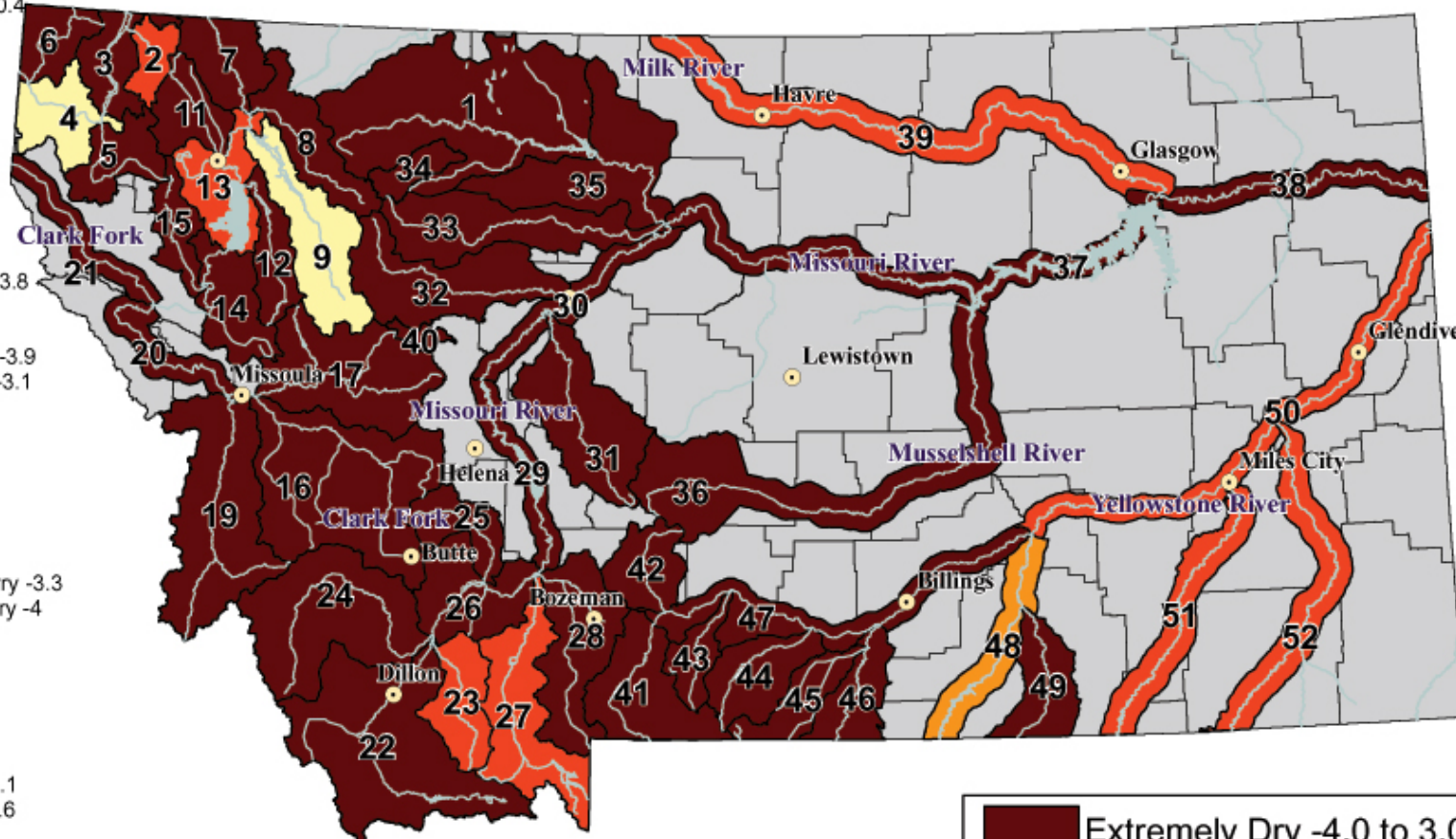
-  Extremely Above Average (Over 150)
-  Much Above Average (131 - 150)
-  Above Average (111 - 130)
-  Near Average (91 - 110)
-  Below Average (71 - 90)
-  Much Below Average (51 - 70)
-  Extremely Below Average (Below 51)

Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

- 1 Marias above Tiber Reservoir -3.9
- 2 Tobacco -2.2
- 3 Kootenai Ft. Steele to Libby Dam -3.1
- 4 Kootenai below Libby Dam -0.4
- 5 Fisher -3.5
- 6 Yaak -3.4
- 7 North FK. Flathead -3.3
- 8 Middle FK. Flathead -3.5
- 9 South FK. Flathead -0.5
- 11 Stillwater/Whitefish -4
- 12 Swan -4
- 13 Flathead at Polson -2.6
- 14 Mission Valley -3.9
- 15 Little Bitterroot -4
- 16 Clark Fork above Milltown -3.8
- 17 Blackfoot -3.8
- 19 Bitterroot -3.9
- 20 Clark Fork below Bitterroot -3.9
- 21 Clark Fork below Flathead -3.1
- 22 Beaverhead -3.8
- 23 Ruby -2.6
- 24 Big Hole -3.3
- 25 Boulder (Jefferson) -3.9
- 26 Jefferson -4
- 27 Madison -2
- 28 Gallatin -3.5
- 29 Missouri above Canyon Ferry -3.3
- 30 Missouri below Canyon Ferry -4
- 31 Smith -3
- 32 Sun -3.8
- 33 Teton -4
- 34 Birch/Dupuyer Creeks -3.7
- 35 Marias -3.6
- 36 Musselshell -3.2
- 37 Missouri above Fort Peck -3.1
- 38 Missouri below Fort Peck -3.6
- 39 Milk -2.4
- 40 Dearborn near Craig -3.9
- 41 Yellowstone above Livingston -3.1
- 42 Shields -3
- 43 Boulder (Yellowstone) -3.6
- 44 Stillwater -3.3
- 45 Rock/Red Lodge Creeks -3.6
- 46 Clarks Fork -3.2
- 47 Yellowstone above Bighorn -3.2
- 48 Bighorn below Bighorn Lake -1.2
- 49 Little Bighorn -3.5
- 50 Yellowstone below Bighorn -2.3
- 51 Tongue -2.4
- 52 Powder -2.2



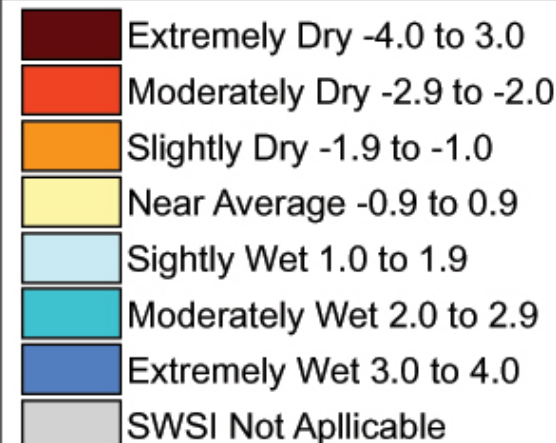
Current as of
April 1, 2005

0 45 90 Miles

**NOTE: Data used to generate
this map are PROVISIONAL and
SUBJECT TO CHANGE.**



<http://www.mt.nrcs.usda.gov>



SNOWPACK COMPARISON (138 snotel sites)

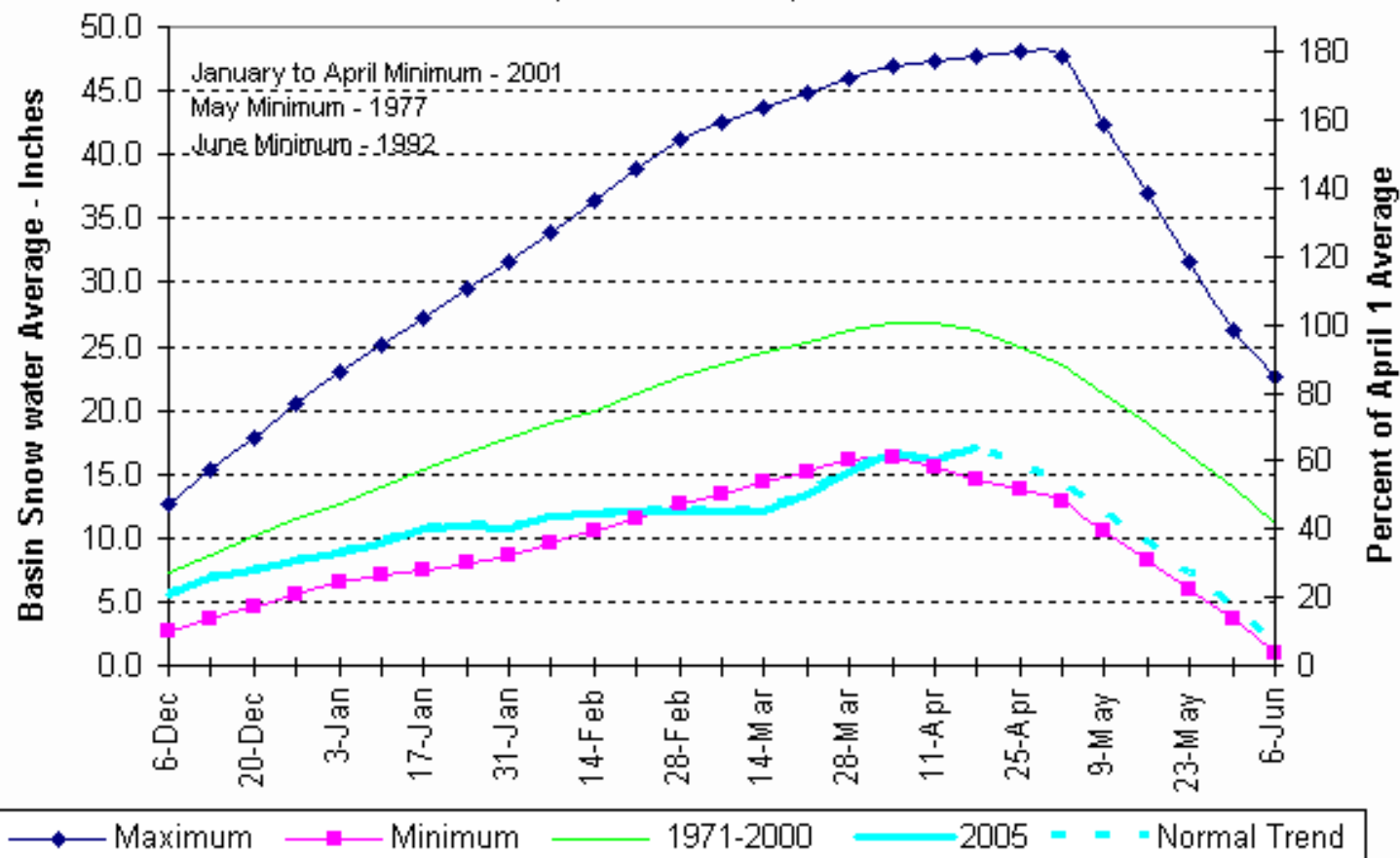
Date	Basin	Current Year	Last Year	Storm Change 4/18 to 4/20
04/20/05	Columbia	64%	70%	+3
	Miss hdwaters	79%	73%	+5
	Miss mainstem	72%	68%	+8
	St. Mary	57%	63%	+2
	Yellowstone	70%	64%	+3
	Statewide	68%	68%	+4

Significant gains:

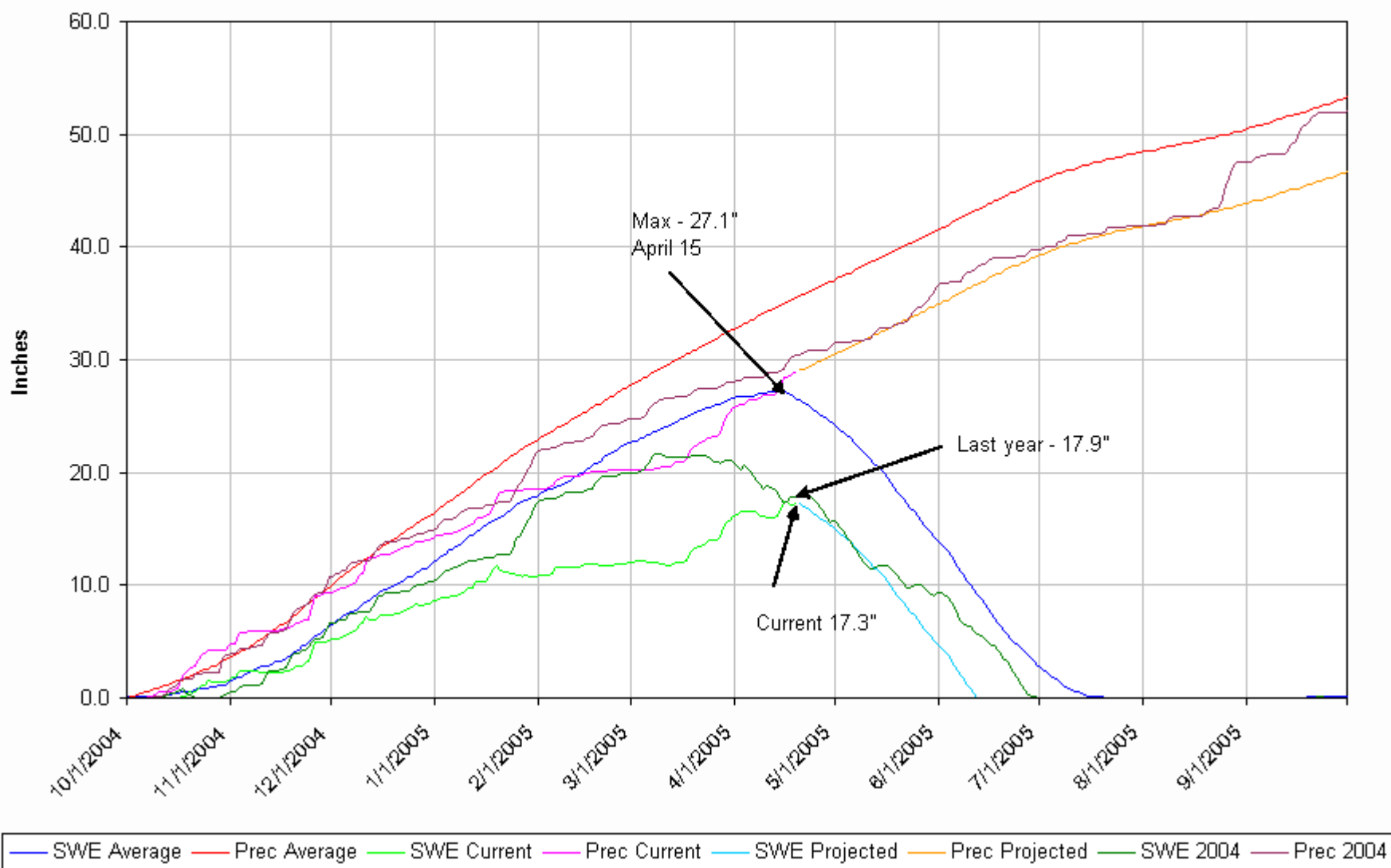
Upper Clark Fork 7%, Jefferson 8%, Headwaters Mainstem 7%, and
Smith/Judith/Musselshell 11%

FLATHEAD RIVER BASIN

Based on provisional SNOTEL data - Subject to revision
USDA, NRCS - Bozeman, Montana



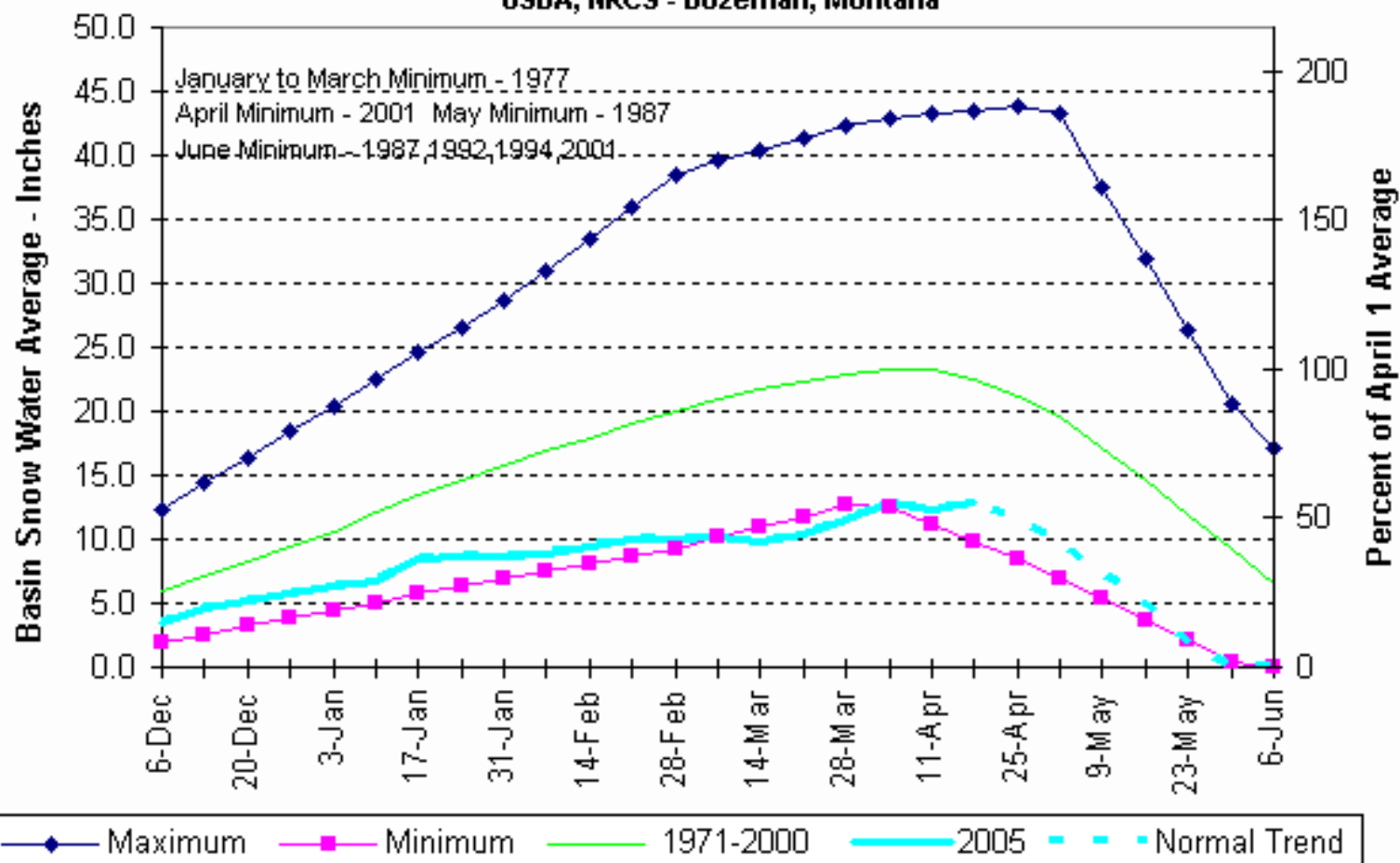
Flathead Water Year SNOTEL Graph (15 Sites)



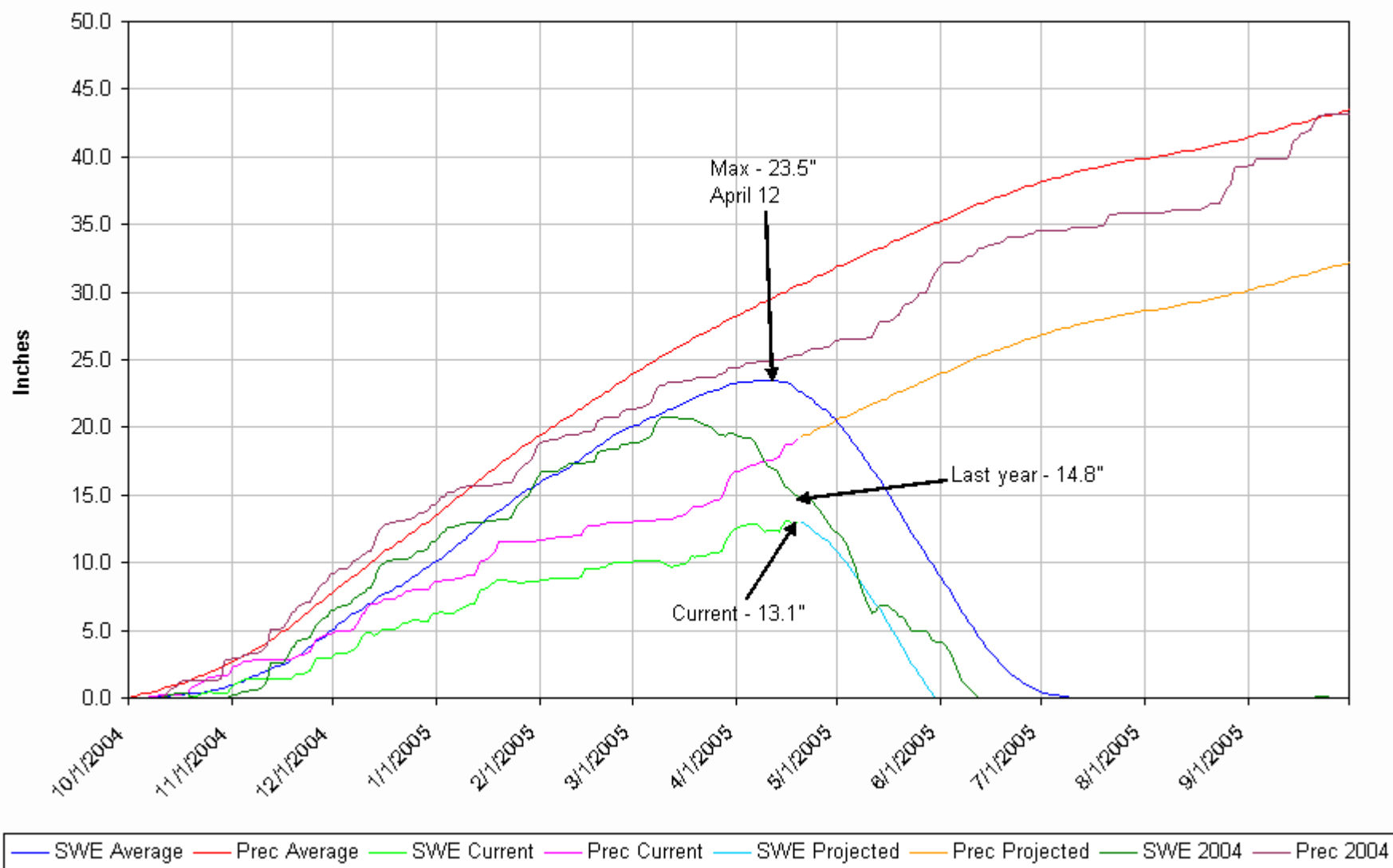
BITTERROOT RIVER BASIN

Based on provisional SNOTEL data - Subject to revision

USDA, NRCS - Bozeman, Montana



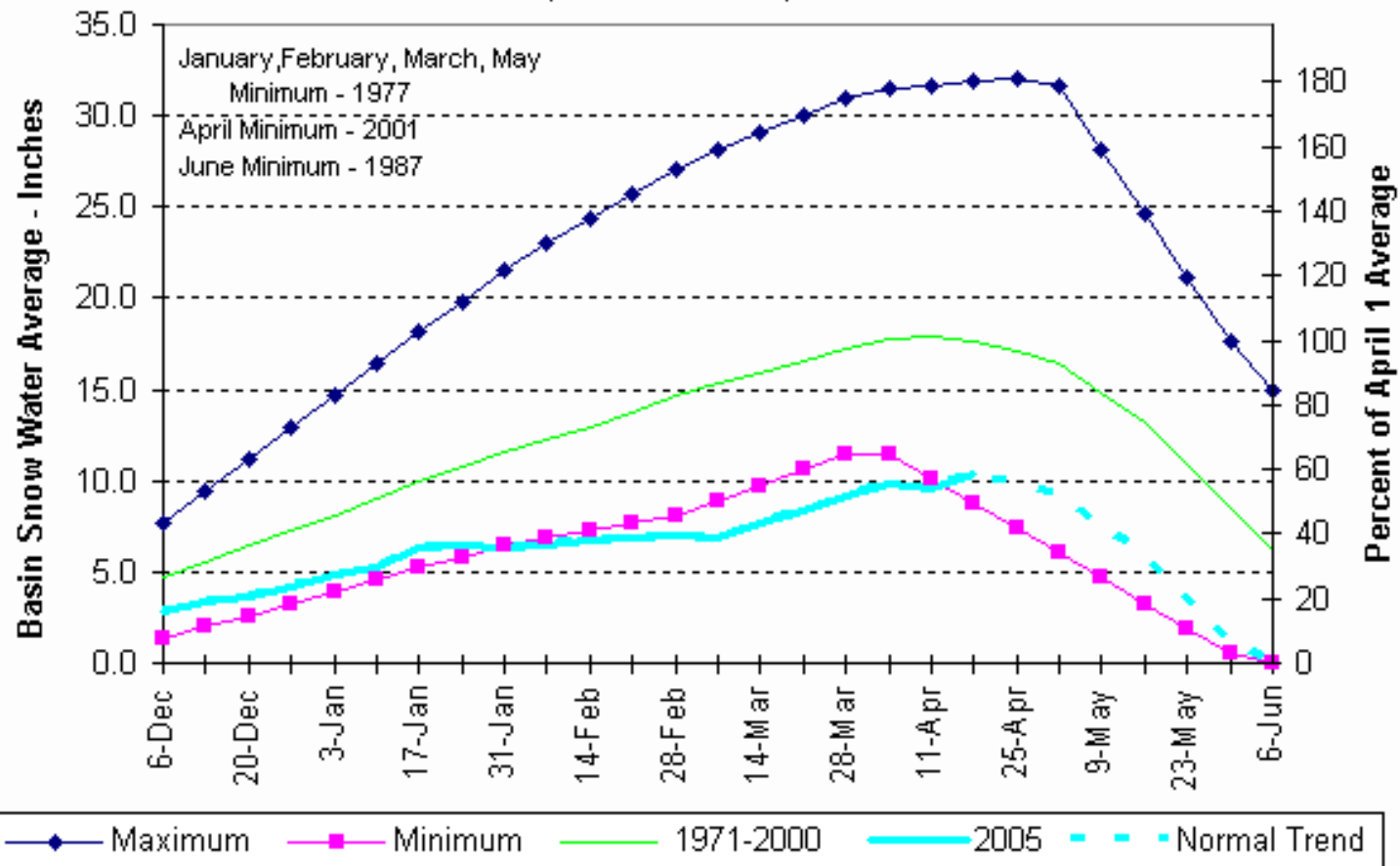
Bitterroot Water Year SNOTEL Graph (7 Sites)



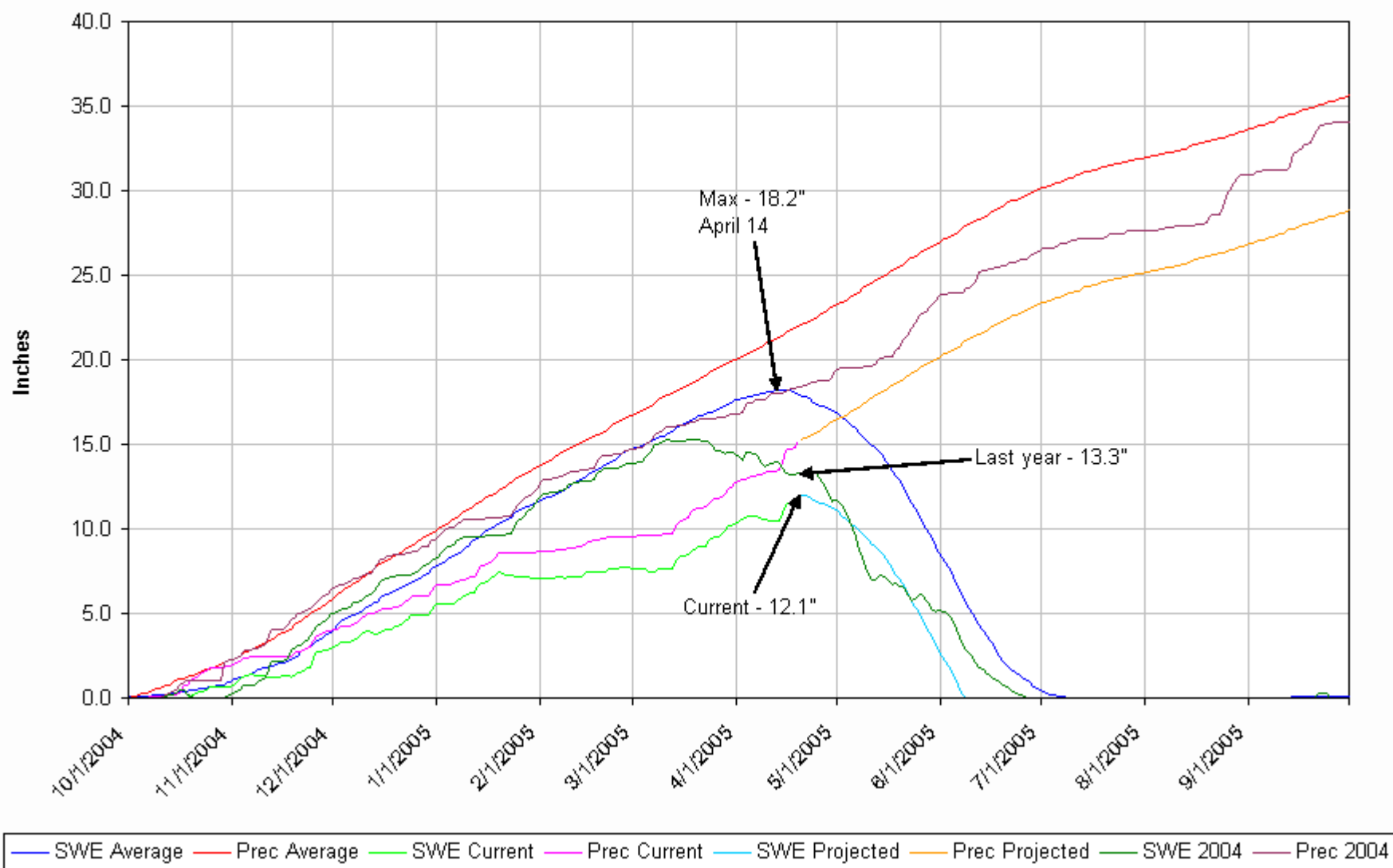
UPPER CLARK FORK RIVER BASIN

Based on provisional SNOTEL data - Subject to revision

USDA, NRCS - Bozeman, Montana



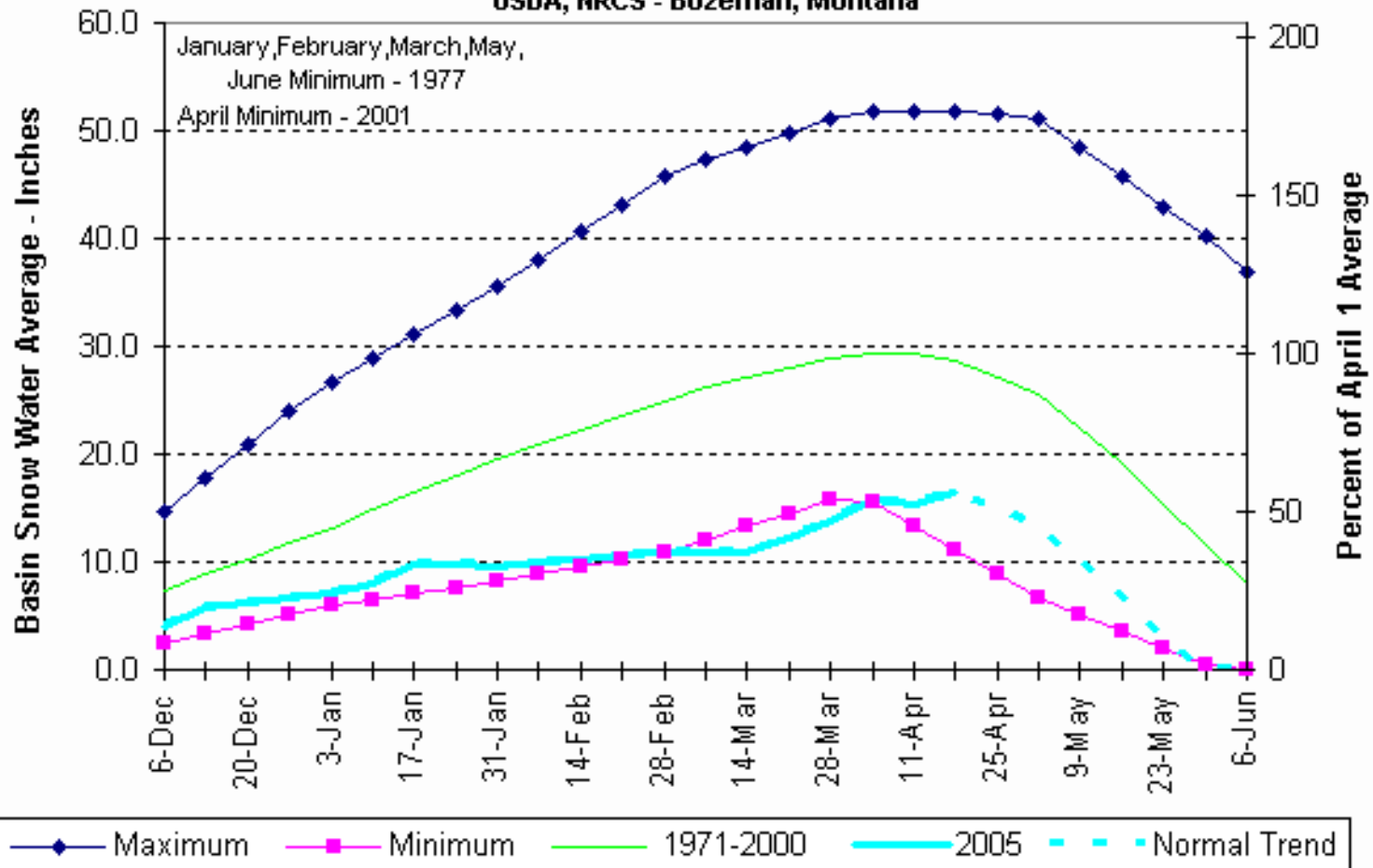
Upper Clark Fork Water Year SNOTEL Graph (15 Sites)



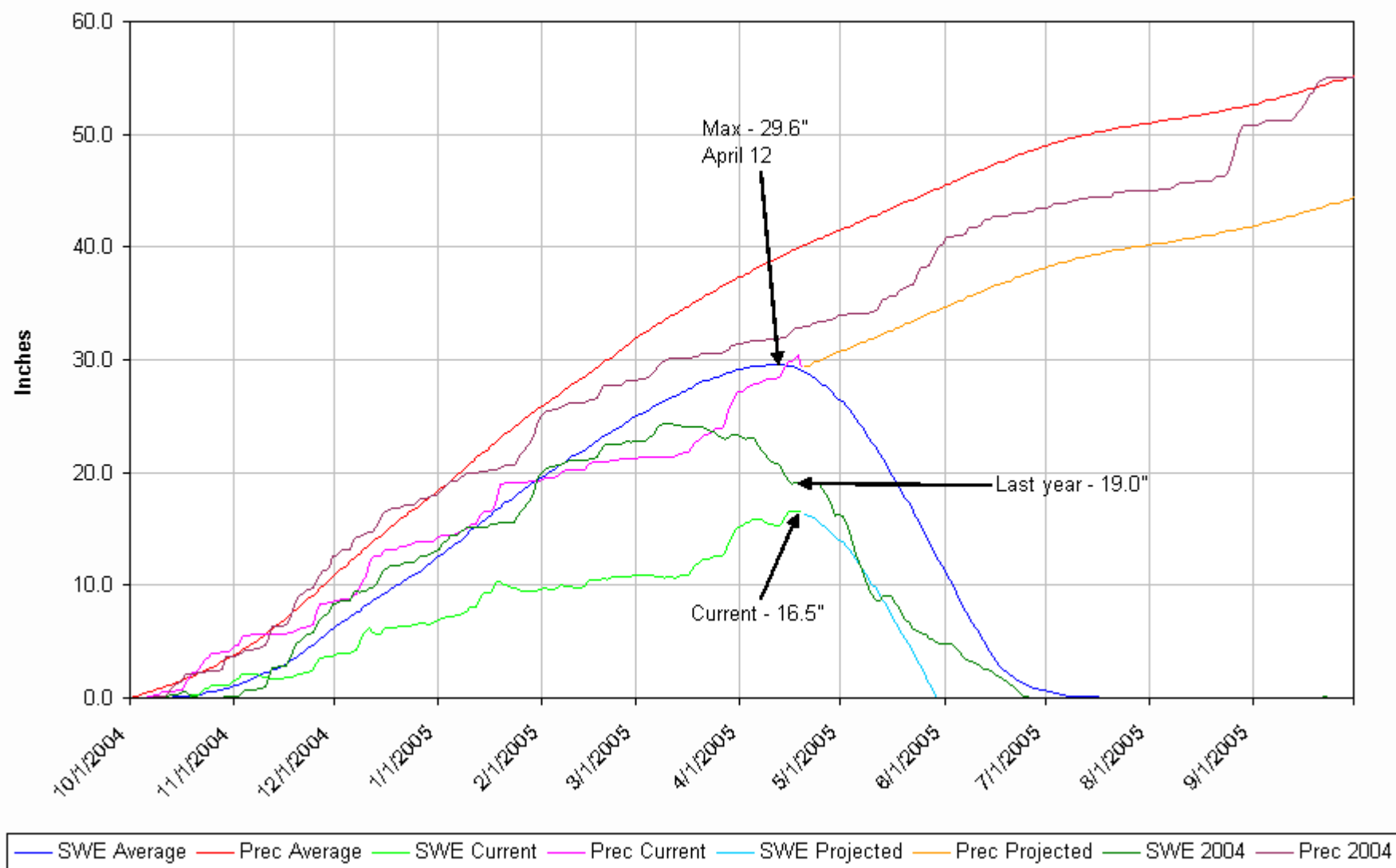
LOWER CLARK FORK RIVER BASIN

Based on provisional SNOTEL data - Subject to revision

USDA, NRCS - Bozeman, Montana



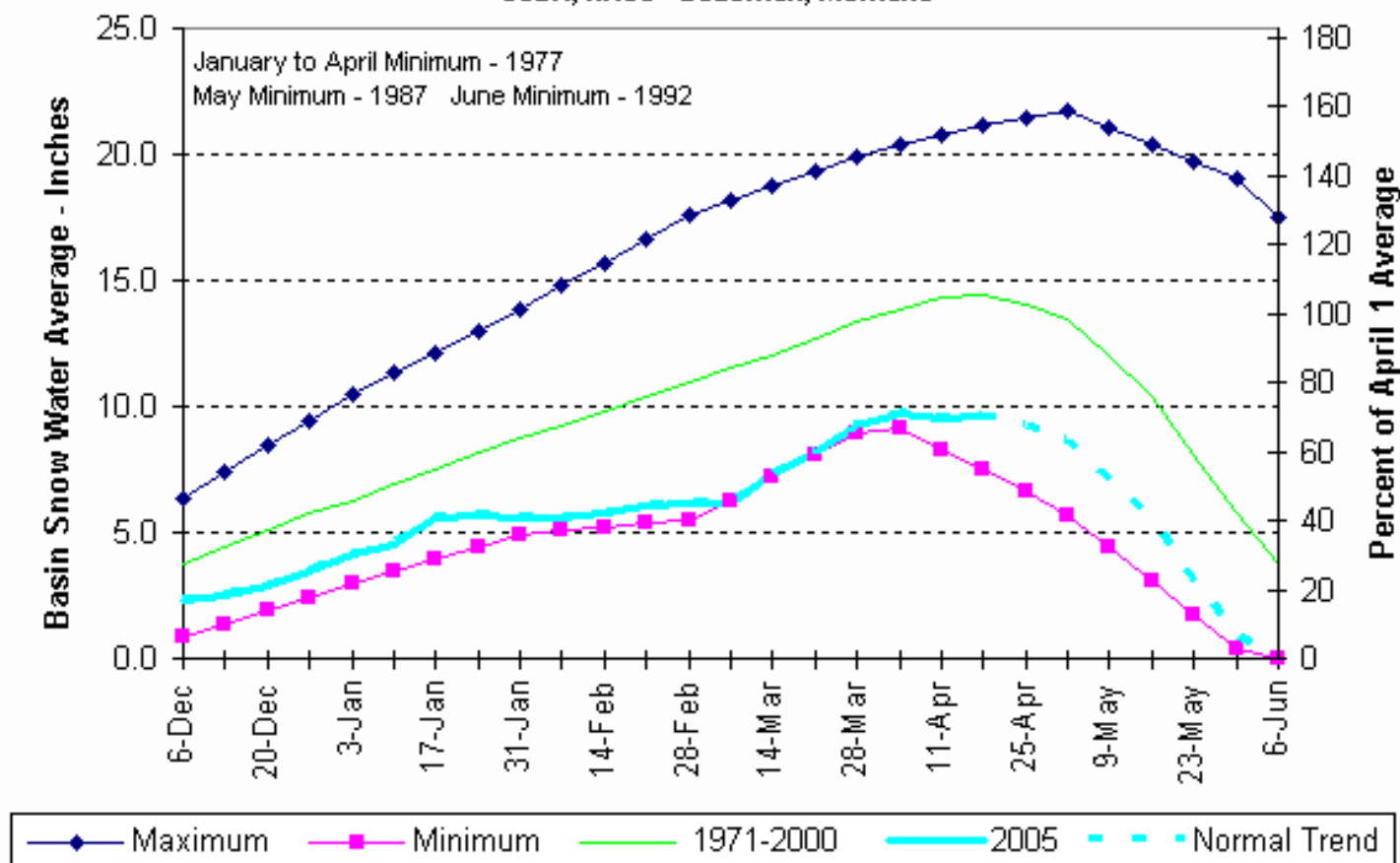
Lower Clark Fork Water Year SNOTEL Graph (8 Sites)



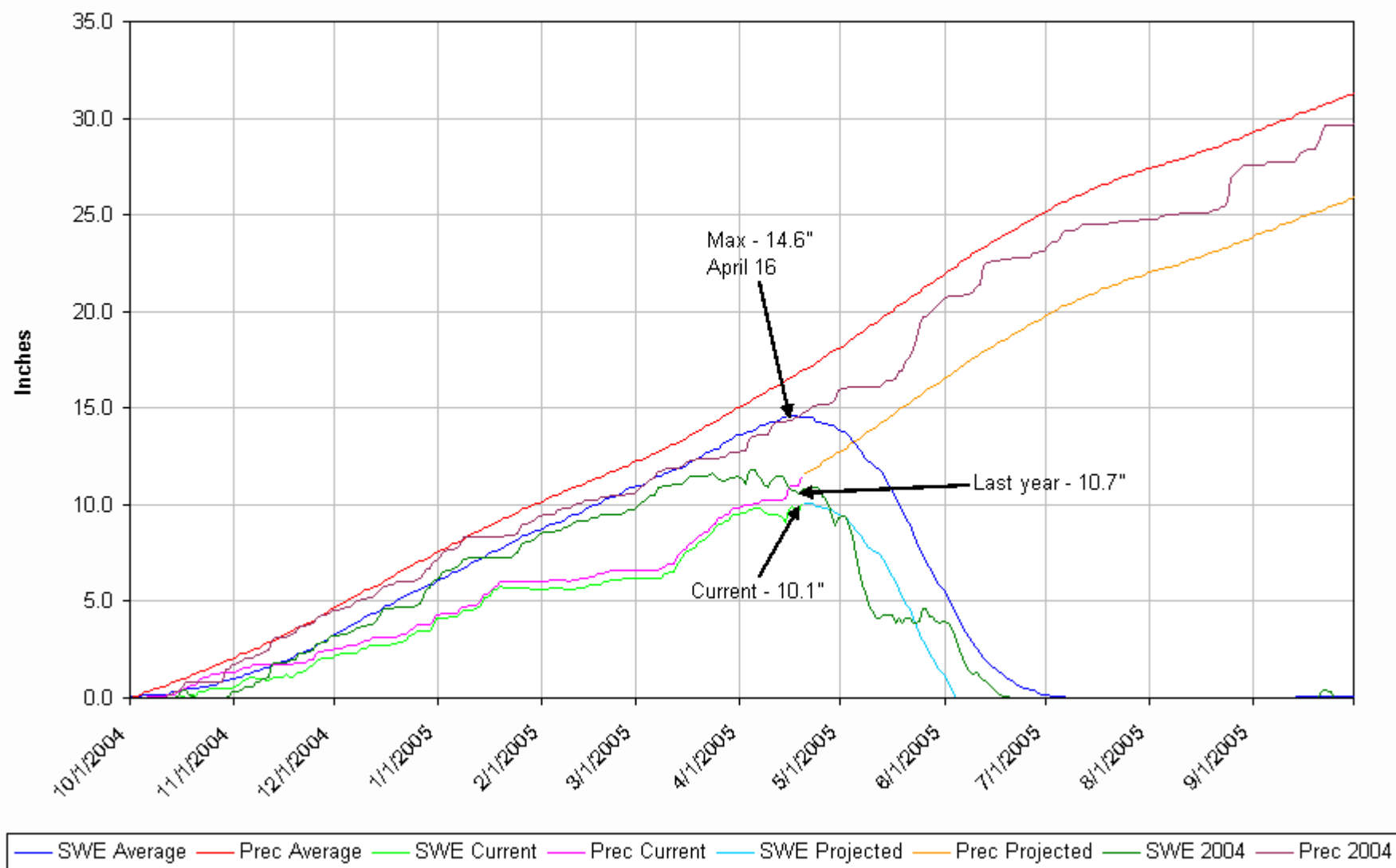
HEADWATERS MISSOURI MAINSTEM

Based on provisional SNOTEL data - Subject to revision

USDA, NRCS - Bozeman, Montana



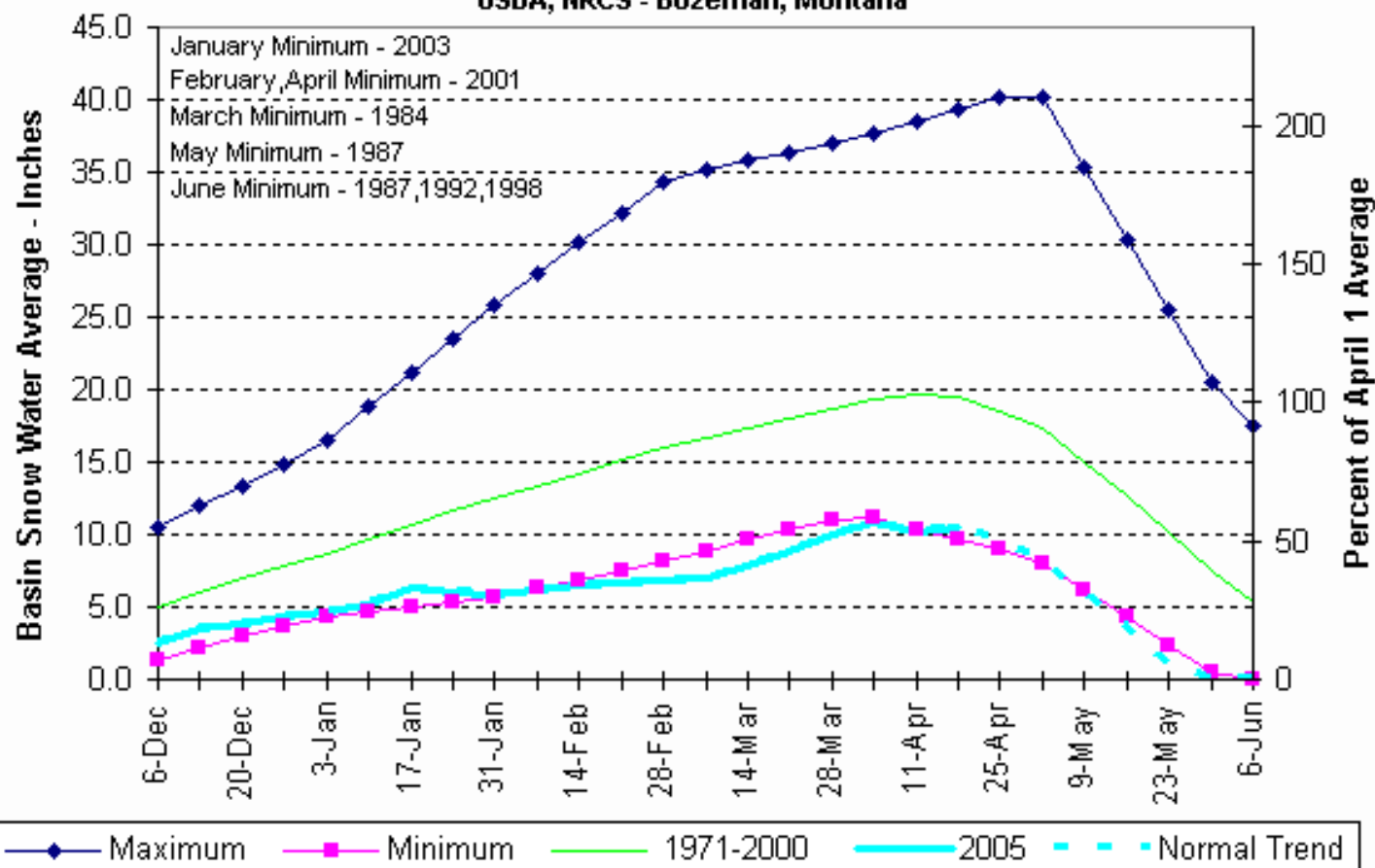
Headwaters Missouri Water Year SNOTEL Graph (5 Sites)



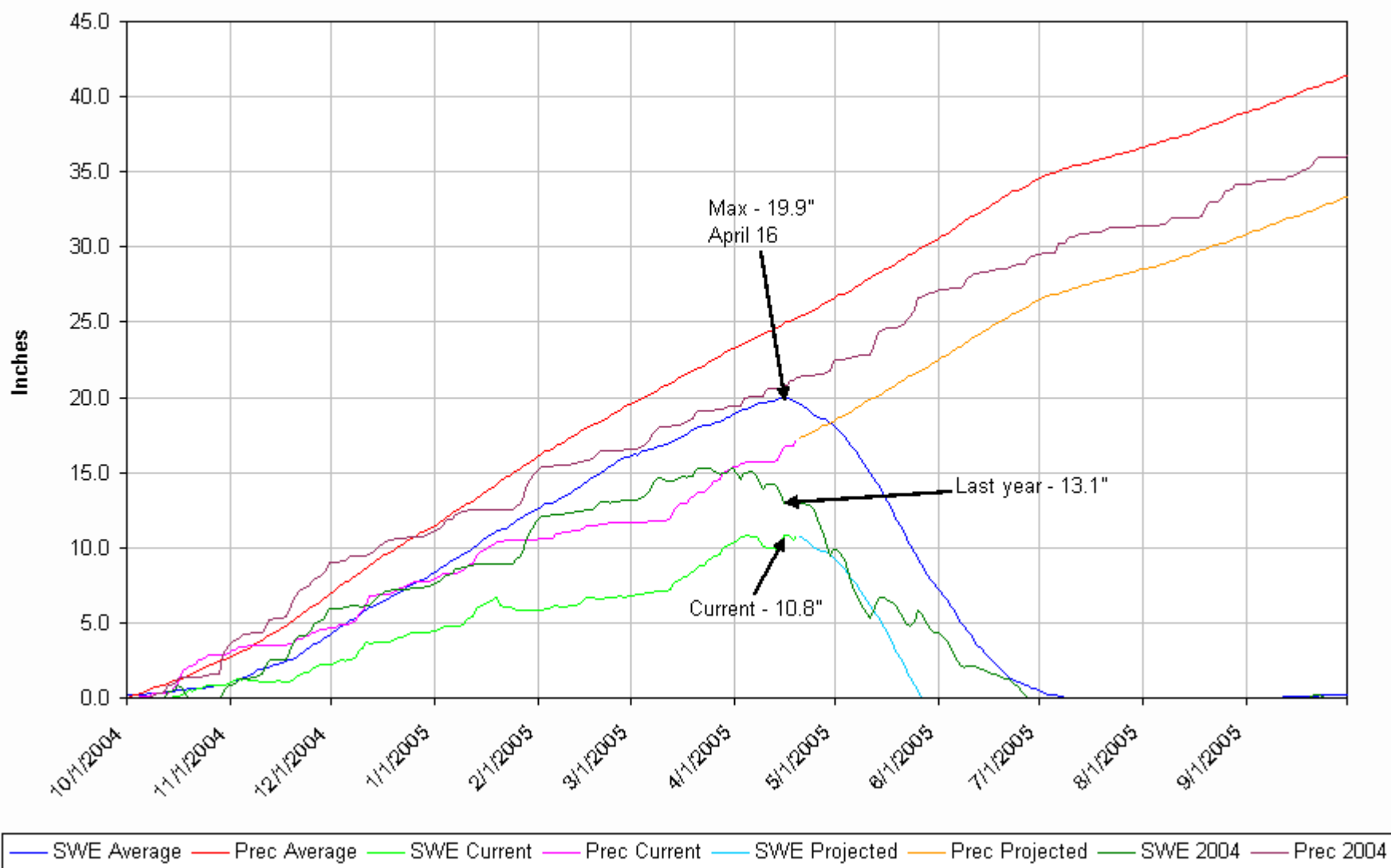
SUN, TETON AND MARIAS RIVER BASINS

Based on provisional SNOTEL data - Subject to revision

USDA, NRCS - Bozeman, Montana



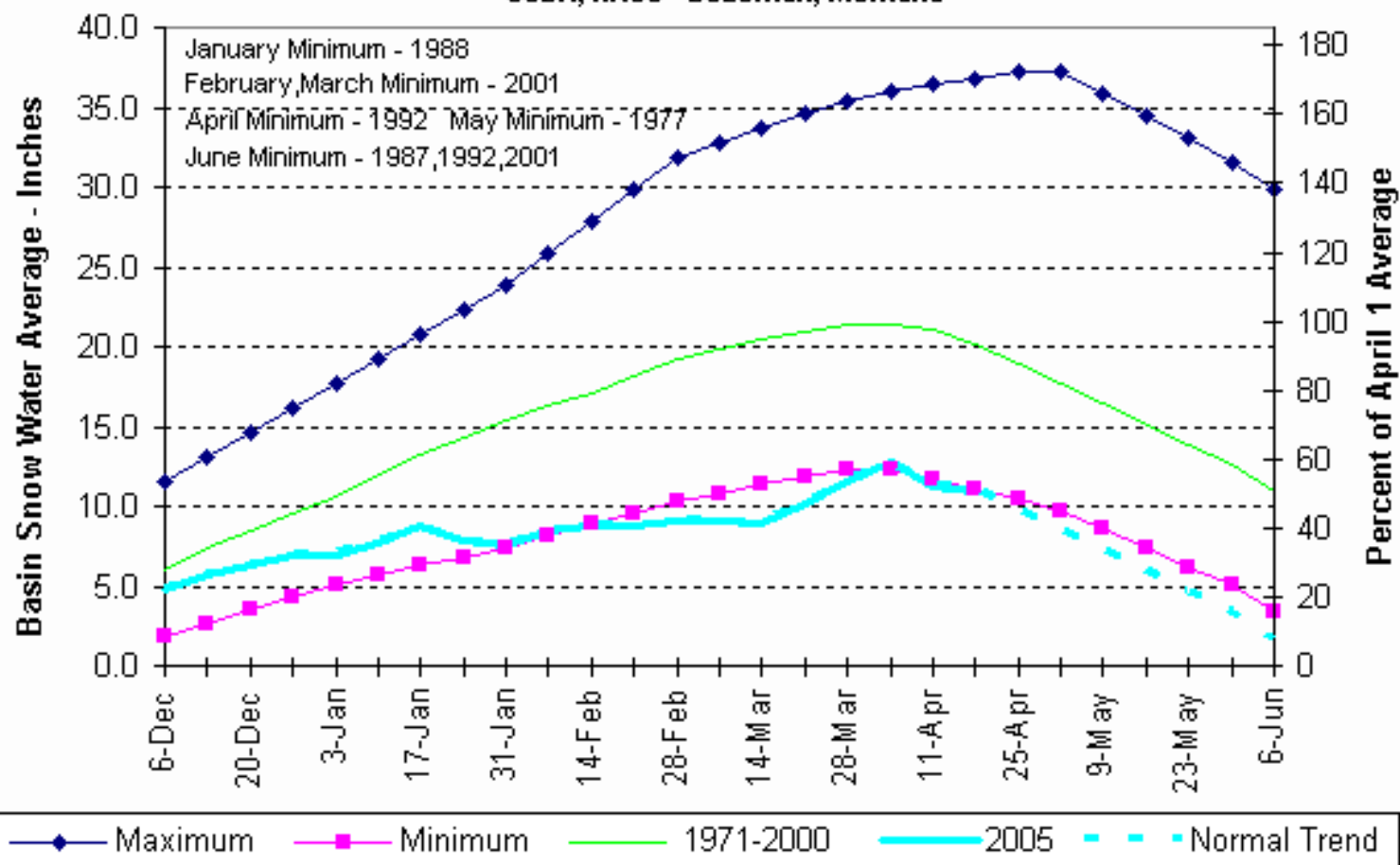
Sun-Teton-Marias Water Year SNOTEL Graph (6 Sites)



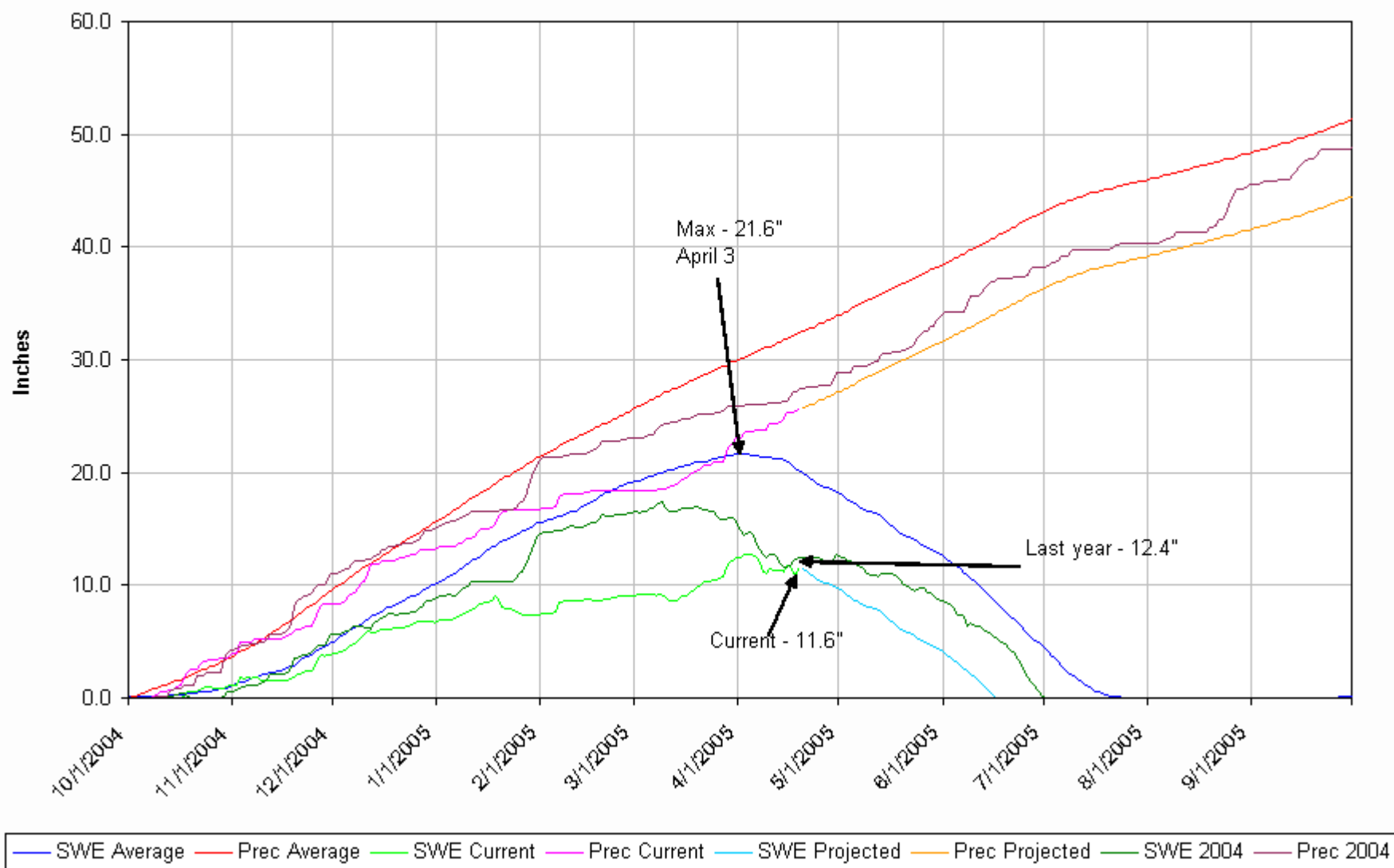
ST. MARY AND MILK RIVER BASINS

Based on provisional SNOTEL data - Subject to revision

USDA, NRCS - Bozeman, Montana



Mary-Milk Water Year SNOTEL Graph (3 Sites)



SUMMARY

- Continued cool temperatures and frequent storms will help get us through one more year.
- We are making short term gains but future rain will determine long term or hydrologic gains.
- There will be surface water shortages this spring and summer. Severity will depend upon spring snow melt and the timing and amount of rain.